



(12) **United States Patent**
Shelton, IV

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(54) **MOTOR DRIVEN SURGICAL FASTENER
DEVICE WITH SWITCHING SYSTEM
CONFIGURED TO PREVENT FIRING
INITIATION UNTIL ACTIVATED**

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(Continued)

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(58) **Field of Classification Search**

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See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 628 days.

FOREIGN PATENT DOCUMENTS

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19, 2011 (3 pages).

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Related U.S. Application Data

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(51) **Int. Cl.**

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(57)

ABSTRACT

A surgical fastener apparatus having a handle, an elongated
shaft having a proximal end attached to the handle and a
distal end extending therefrom. An end effector including a
pair of jaws pivoted at a proximal end thereof and movable
between an open and closed position. A cartridge containing
a plurality of surgical fasteners, the cartridge attached to the
end effector. An electrically powered actuator for deploying
the surgical fasteners, the actuator including a power source
and a motor. A switch configured to prevent application of
firing motions to the end effector until the switch has been
activated.

18 Claims, 25 Drawing Sheets

(52) **U.S. Cl.**

CPC **A61B 17/068** (2013.01); **A61B 17/07207**
(2013.01); **A61B 2017/00017** (2013.01); **A61B**

